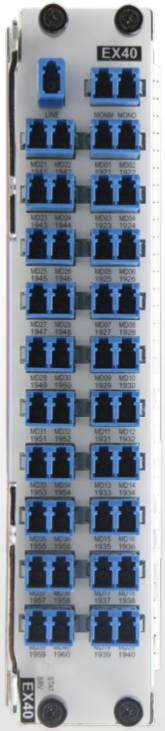
TMB1EX40

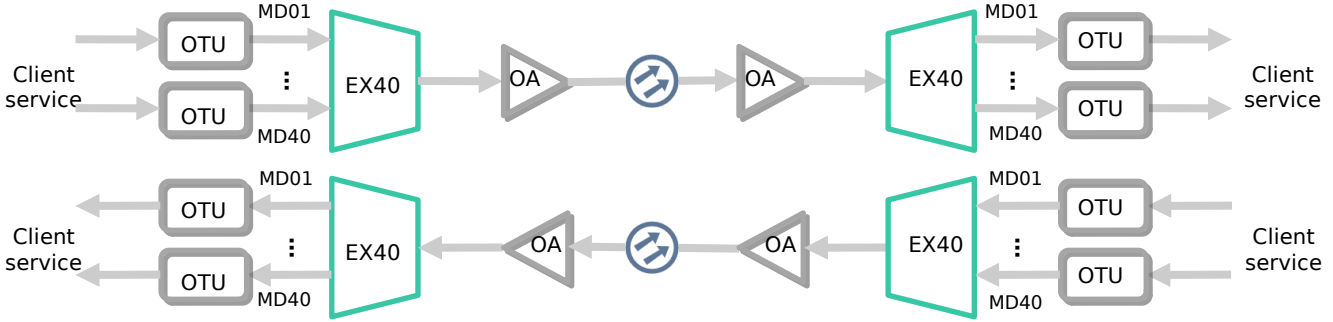
Initial Version : V100R019C10

Serves as an enhanced 40-channel multiplexing or demultiplexing board. The EX40 can be used in three scenarios: multiplexing or demultiplexing of 40 channels of optical signals in the two-fiber bidirectional system, multiplexing and demultiplexing of 18/35 channels of optical signals synchronously in the single-fiber bidirectional system with optical amplifiers, and multiplexing and demultiplexing of 20/40 channels of optical signals synchronously in the single-fiber bidirectional system without optical amplifiers.

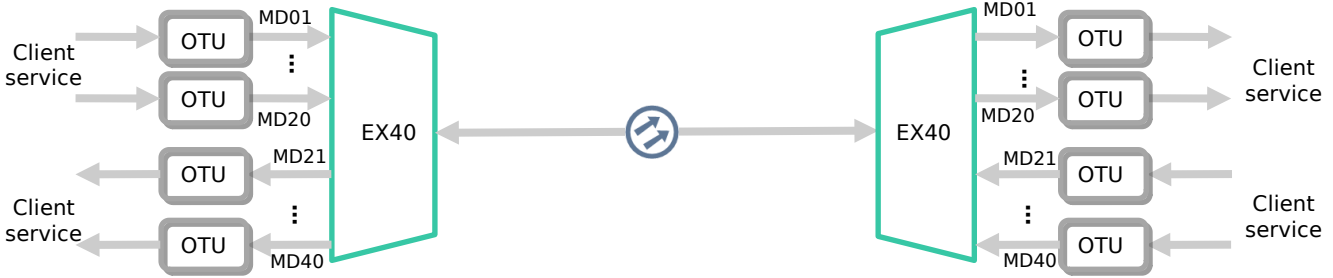


Service

1. Application of the EX40 board in the two-fiber bidirectional system



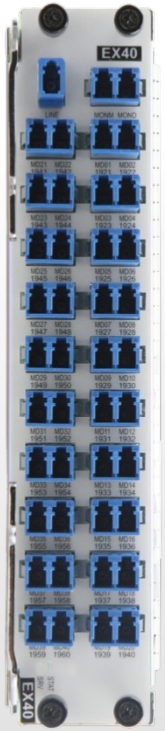
2. Application of the EX40 board in the single-fiber bidirectional system (Multiplexing or Demultiplexing of 20 Channels of Optical Signals without optical amplifiers)



TMB1EX40

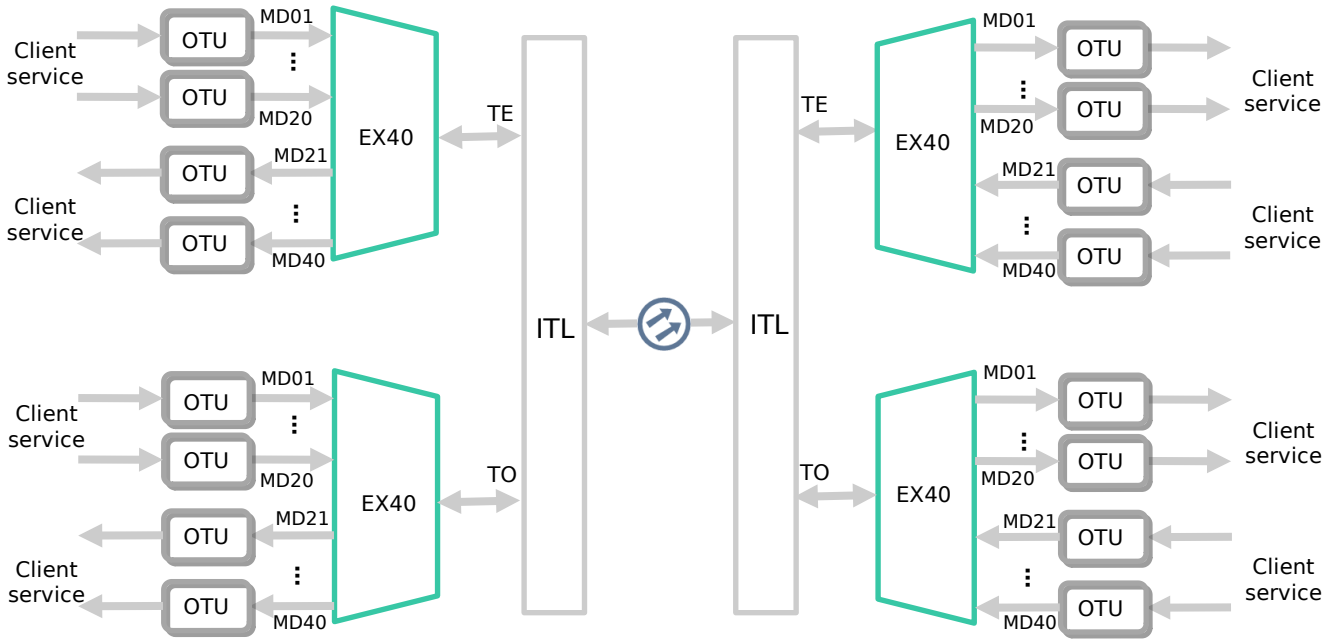
Initial Version : V100R019C10

Serves as an enhanced 40-channel multiplexing or demultiplexing board. The EX40 can be used in three scenarios: multiplexing or demultiplexing of 40 channels of optical signals in the two-fiber bidirectional system, multiplexing and demultiplexing of 18/35 channels of optical signals synchronously in the single-fiber bidirectional system with optical amplifiers, and multiplexing and demultiplexing of 20/40 channels of optical signals synchronously in the single-fiber bidirectional system without optical amplifiers.



Service

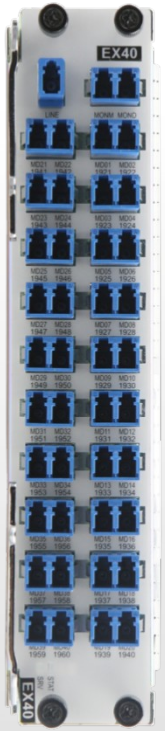
3. Application of the EX40 board in the single-fiber bidirectional system (Multiplexing or Demultiplexing of 40 Channels of Optical Signals without optical amplifiers)



TMB1EX40

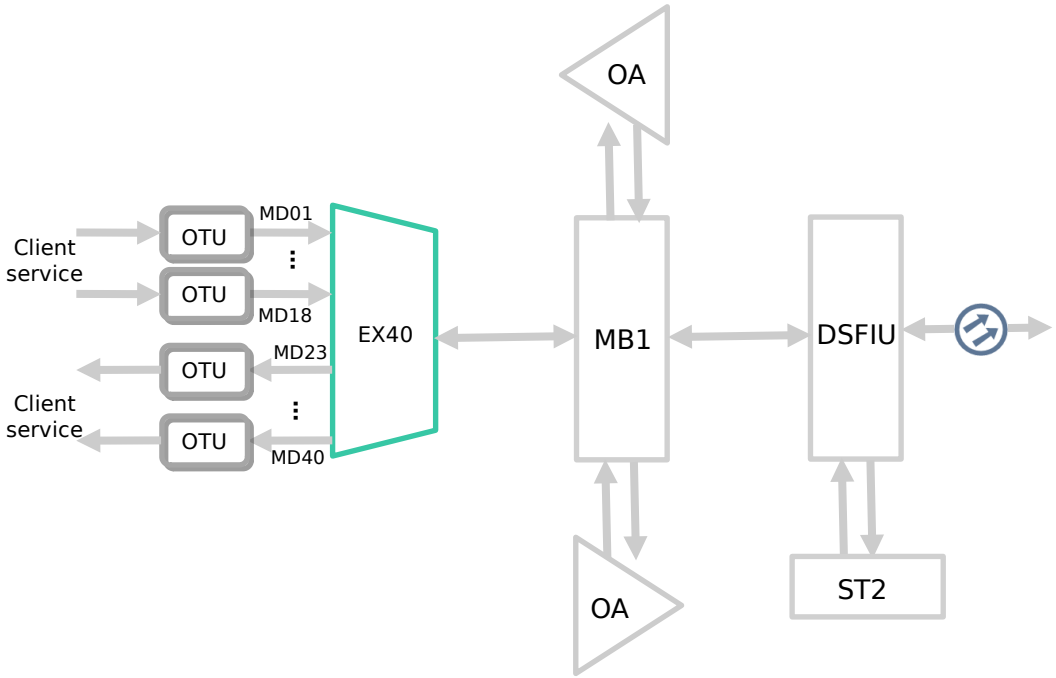
Initial Version : V100R019C10

Serves as an enhanced 40-channel multiplexing or demultiplexing board. The EX40 can be used in three scenarios: multiplexing or demultiplexing of 40 channels of optical signals in the two-fiber bidirectional system, multiplexing and demultiplexing of 18/35 channels of optical signals synchronously in the single-fiber bidirectional system with optical amplifiers, and multiplexing and demultiplexing of 20/40 channels of optical signals synchronously in the single-fiber bidirectional system without optical amplifiers.



Service

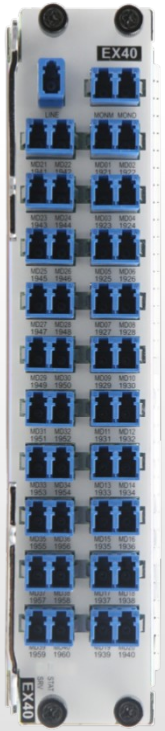
4. Application of the EX40 board in the single-fiber bidirectional system (Multiplexing or Demultiplexing of 18 Channels of Optical Signals with optical amplifiers)



TMB1EX40

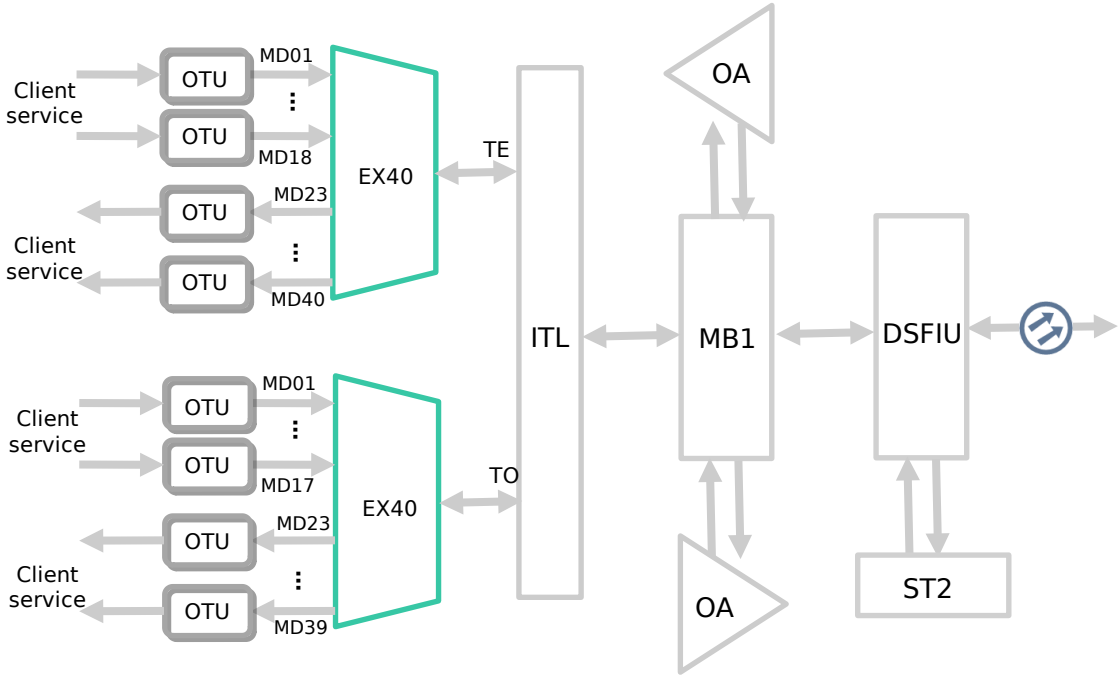
Initial Version : V100R019C10

Serves as an enhanced 40-channel multiplexing or demultiplexing board. The EX40 can be used in three scenarios: multiplexing or demultiplexing of 40 channels of optical signals in the two-fiber bidirectional system, multiplexing and demultiplexing of 18/35 channels of optical signals synchronously in the single-fiber bidirectional system with optical amplifiers, and multiplexing and demultiplexing of 20/40 channels of optical signals synchronously in the single-fiber bidirectional system without optical amplifiers.



Service

5. Application of the EX40 board in the single-fiber bidirectional system (Multiplexing or Demultiplexing of 35 Channels of Optical Signals with optical amplifiers)



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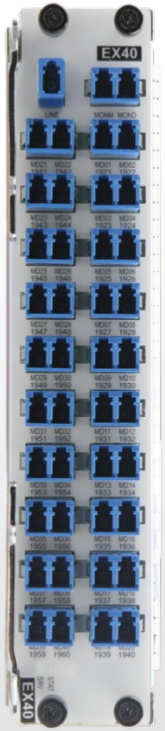

Function

Function	Description
Online optical performance monitoring	Provides an online monitoring optical port to which a spectrum analyzer can be connected to monitor the spectrum the main optical path without interrupting services.
Alarm and performance event monitoring	Detects the optical power and reports the alarms and performance events for the board.
WDM specification	Supports the DWDM specification.

Slot

Dual-slot board	
E6608T	Slots 1 and 3, Slots 3 and 5, Slots 2 and 4, Slots 4 and 6, Slots 6 and 8
E6608	Slots 1 and 3, Slots 3 and 5, Slots 2 and 4, Slots 4 and 6
E6616	Slots 1 and 3, Slots 3 and 5, Slots 2 and 4, Slots 4 and 6, Slots 7 and 9, Slots 9 and 11, Slots 11 and 13, Slot 8 and 10, Slots 10 and 12, Slot 12 and 14

Mechanical Specifications

Weight (kg/lb.)	Typical Power Consumption (W)	Maximum Power Consumption(W)
0.94 (2.07)	5	7

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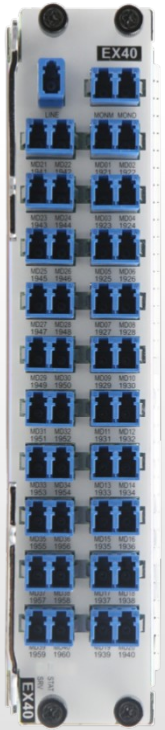

Optical Specifications

Corresponding Interfaces	Item	Unit	Value
-	Operating frequency range	THz	EX4001: 192.10 to 196.00 EX4002: 192.15 to 196.05
-	Adjacent channel spacing	GHz	100
LINE-MDx	Insertion loss	dB	≤ 6.5
	Adjacent channel isolation	dB	> 25
	Non-adjacent channel isolation	dB	> 30
-	Reflectance	dB	< -40
-	Polarization dependence loss	dB	≤ 0.5
-	Temperature characteristics	nm/°C	≤ 0.002
-	Maximum channel insertion loss difference	dB	≤ 3